

# S-MODE

## SHIP OPERATIONS DEPLOYMENT GUIDE

NEWPORT, OREGON



NASA Earth Science Project Office

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## INTRODUCTION

This orientation guide is for S-MODE ship operations in Newport, Oregon. This guide was created to help you become familiar with the area and to answer some of the questions you may have when you arrive in Newport.

Location: [Newport, OR](#)

## ARRIVAL AND LOCAL INFORMATION

For its Pilot campaign, S-MODE will utilize the [R/V Oceanus](#) for all shipborne science operations. The R/V Oceanus will sail from and return to the [Oregon State University pier](#) in the city of Newport. Mobilization and demobilization will be facilitated by OSU Ship Operations <https://ceoas.oregonstate.edu/ships>.

Here are some quick facts and important information regarding ship operations in Newport:

- The most up-to-date roster for the Oceanus science party as well as a diagram of the ship's sleeping quarters can be found at [Oceanus 2021 cruise participant list](#).
- The same spreadsheet will have information on our travel plans. Please consider carpooling!
- The two major airports closest to Newport, OR are [Eugene Airport \(EUG\)](#) (81 mi., 1.75 hours) and [Portland International Airport \(PDX\)](#) (146 mi., 2.5 hours).
- Driving directions from the major airports to Newport can be found at <https://ceoas.oregonstate.edu/directions-ceoas-marine-operations-newport-oregon>.
- Upon arrival in Newport, check in with Andrey Shcherbina, cell phone (206)427-1062.
- OSU Marine Operations offices are located in the [Hatfield Marine Science Center](#). The equipment receiving address is:  
[OSU Marine Operations](#)  
[2020 SE Marine Science Drive](#)  
[Newport, OR 97365](#)
- Links to Local Maps and Other General Information
  - [Port of Newport, OR](#)
  - [Port of Newport, OR - Weather](#)
- Transportation to the dock from the hotel
  - The OSU Dock has a small parking lot, and can only offer a maximum of three parking spaces during the research cruise. If you park your personal vehicle there, you will need to leave keys, insurance information, and a local emergency POC's info with OSU Ship Ops personnel.
  - You might be able to park at the slightly larger Ship Operations parking lot, or, if all else fails, at the Hatfield Marine Sciences center.
  - Note also that the dock is within a 15 min walking distance from the hotel, in case the weather is nice.
  - Rental car procedure:
    - Enterprise is the recommended rental car agency, as they will pick up rental cars for us. Please plan to park your rental car in the OSU Ship Ops parking lot once you are ready to board R/V Oceanus, and deliver your keys to Sommer Nicholas. She will be onsite and will coordinate with Enterprise to have cars picked up as soon as possible.
    - After the cruise, Enterprise can arrange to pick up cruise participants from the dock area and transport them to the local office to pick up rental cars for return trips.

## OPERATIONS

### R/V OCEANUS

Information on R/V Oceanus: <https://ceoas.oregonstate.edu/rv-oceanus>

Cruise planning manual: <https://ceoas.oregonstate.edu/rv-oceanus/cruise-planning-manual>. Please read “Section IV. During the Cruise”.

### MISSION SCHEDULE

The full S-MODE schedule showing all research platforms can be found at <https://espo.nasa.gov/s-mode/calendar>. The schedule for the R/V Oceanus is as follows:

All personnel and equipment should arrive in Newport no later than October 17.

Arrival in Newport: October 16-17

Ship mobilization: October 17-18

*Note: All members of the science party will remain on the ship after boarding on Oct 17. All meals and accommodations will be provided on the ship.*

Cruise: October 19 - November 8

De-mobilization: November 9

After the ship departs Newport, it should take approximately 2 days to reach the science operations area, which is shown below.



Fig. 1 - Approximate S-MODE operations area. The red boxes denote aircraft special permission areas.

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## COMMUNICATIONS

A daily plan of the day (POD) and any other pertinent information regarding the S-MODE field campaign will be shared on multiple platforms, including email, the [ESPO S-MODE website](#), and the [UW S-MODE Google Drive](#).

If you are having trouble accessing any of these platforms or need to be added to the email list serve, please contact [erin.czech@nasa.gov](mailto:erin.czech@nasa.gov).

## LODGING

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### HOLIDAY INN EXPRESS NEWPORT

ESPO has set up a room block at the **Holiday Inn Express Newport** in Newport, OR for lodging on Oct 16 (mobilization) and Nov 8-10 (de-mobilization). Rates are \$114.00 + tax\* per room, per night for a single king bed sleeping room. Rate does include a Full American Hot Buffet Breakfast served weekends 7am- 10a and weekdays 6:30am-9am for all overnight guests (\*tax = 13.5%).

Reservations may be made by clicking on the link below, or calling the hotel directly and asking to make a reservation under group code SMM. Please note that the cutoff date for these reservations is **Monday, October 11, 2021**. After this, date rates and availability may no longer apply. To make your online reservation simply click on the link below and hit the orange 'Check Availability' button located at the top of the home page. Enter your arrival and departure dates then again click on the orange 'Check Availability' button just to the right. Group rates for this event will appear.

[https://www.hiexpress.com/redirect?path=hd&brandCode=EX&localeCode=en&regionCode=1&hotelCode=ONPOR&\\_PMID=99801505&GPC=SMM&cn=no&viewfullsite=true](https://www.hiexpress.com/redirect?path=hd&brandCode=EX&localeCode=en&regionCode=1&hotelCode=ONPOR&_PMID=99801505&GPC=SMM&cn=no&viewfullsite=true)

If you have any lodging questions please email: [judy.alfter@nasa.gov](mailto:judy.alfter@nasa.gov).

#### **Holiday Inn Express Newport**

Address: [135 SE 32ND STREET, NEWPORT, OREGON 97365](#)

When: October 16-19, 2021 and November 8-10, 2021

Last Day to Book: Monday, October 11, 2021

Studio Room Rate: \$114.00 per night

Front Desk: 541-867-3377

## AROUND TOWN

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### RESTAURANTS

The following restaurants offer delivery\*\*. See [Delivery Restaurant Options Map](#) for locations:

- [Newport Café](#), Phone: 541-574-6847
- [Cobblestone Pizza](#), Phone: 541-265-3300
- [Clearwater Restaurant](#), Phone: 541-272-5550
- [Flip'N Chick'N](#), Phone: 541-272-5456

- [Abby's Legendary Pizza](#), Phone: 541-265-9336
- [Yummy Bowl](#), Phone: 541-265-8783
- [Thai Port](#), Phone: 541-574-5553
- [Newport Steak & Seafood](#), Phone: 541-265-8283

\*\*The Holiday Inn Express allows delivery straight to your hotel room. Make sure that you let the restaurant know your room number.

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## GROCERY STORES

### [Fred Meyer](#)

Phone: (541) 265-4581

[150 NE 20th St](#)

[Newport, OR 97365](#)

Open daily 6am - 11pm

### [Safeway](#)

Phone: (541) 265-2930

[2220 N Coast Hwy](#)

[Newport, OR 97365](#)

Open daily 7am - 10pm

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## PHARMACIES

### [Walmart SuperCenter](#)

Phone: (541) 265-6560

[160 NW 25th Street](#)

[Newport, OR 97365](#)

*Check website for hours*

### [Walgreens](#)

Phone: (541) 574-4405

[27 S Coast Hwy](#)

[Newport, OR 97365](#)

*Check website for hours*

## LOCAL MEDICAL AND EMERGENCY INFORMATION

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## EMERGENCY ROOM

### [Samaritan Pacific Communities Hospital](#)

[930 SW Abbey St. Newport, OR 97365](#)

Phone: 541-265-2244

Emergency care is available 24 hours a day, seven days a week. If you are having a medical emergency, call 911.

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## COVID-19 TESTING

*Note: Although there is no requirement for COVID-19 testing in Newport, the information below is provided in case of any unforeseen circumstances.*

Oregon State University utilizes Willamette Valley toxicology to conduct self-administered polymerase chain reaction (PCR) tests. More lab and testing info at: <http://wvlab.com/>

Additionally, free testing is available at the Newport Walgreens (see above for address and contact information). No doctor's orders are needed, but appointments are required. Click [here](#) for more information.

## GENERAL CRUISE SAFETY

[Safety Management Manual and Safety Management Procedures - OSU Ship Operations R/V OCEANUS](#)

## S-MODE POINTS OF CONTACT

1. Chief Scientist  
Andrey Shcherbina  
University of Washington  
Mobile: (206) 427-1062  
Email: [shcher@uw.edu](mailto:shcher@uw.edu) or [ashcherbina@apl.uw.edu](mailto:ashcherbina@apl.uw.edu)
2. PI  
Tom Farrar  
Cell: (508) 524-0501  
Email: [jfarrar@whoi.edu](mailto:jfarrar@whoi.edu)
3. Project Management  
Sommer Nicholas, S-MODE Deputy Project Manager  
Cell: (650) 450-7645  
Email: [sommer.nicholas@nasa.gov](mailto:sommer.nicholas@nasa.gov)

## APPENDIX A. COVID-19 HEALTH SAFETY PLAN

The S-MODE management team has worked with Oregon State University ship operations to establish best practices to minimize exposure to COVID-19 prior to mobilization and during all phases of the research cruise. For everyone's safety and for the success of the mission, we request that everybody strictly adhere to the following plan. Please speak with the chief scientist or the ship's captain if you have any questions/concerns.

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### A.1. COVID-19 SYMPTOMS

The following symptoms may appear 2-14 days after exposure<sup>1</sup>:

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<sup>1</sup> <https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

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## A.2. SELF-MONITORING AND TESTING PERIOD

With regard to COVID-19, all members of the science party should exercise great caution prior to travelling to Newport, during travel, and while in Newport.

Starting 7 days prior to mobilization (October 10th), all members of the science party will begin pre-travel safety measures:

- Avoid all crowded public spaces
- Mask in all crowded outdoor spaces
- Mask in all indoor public spaces
- Mask in indoor private spaces (e.g. home) if there are unvaccinated (e.g. young children) and/or immunocompromised persons in the same household.

Also, starting seven days prior to mobilization (October 10th), all members of the science party will conduct daily health self-assessments. During this period, you will be required to monitor yourself for any of the above symptoms and take twice daily temperature readings. The symptom tracking will be logged in the Discovery Health on-line system. A physician will review any abnormal symptoms and advise if an individual is fit to sail on a case-by-case basis. Instructions for how to access the Discovery Health system will be delivered to you via email.

In addition, each member of the science party must take two COVID-19 PCR tests. The first test must be administered prior to the start of the safety period; the second test must take place within 3 days of mobilization (no earlier than Oct. 14). Please note that the result of the second PCR test will need to be available before you are allowed on Oceanus. The 3-day buffer should be sufficient for most labs to process the results. It *may* be possible to take the second test later than Oct. 14 if absolutely necessary, but your risk of not being able to get on board in time would be higher.

### Self-Monitoring and Testing schedule:

October 7-8: First PCR test

October 10: Begin safety measures and symptom tracking through Discovery Health online system

October 14: Second PCR test

October 16-17: Travel to Newport



If during this period, you test positive for COVID-19, or if you had close contact with someone who tests positive, you should not travel to Newport. Please notify Andrey/Tom/Sommer immediately.

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#### A.3. TRAVEL TO NEWPORT

Most of the science party will be flying to Portland or Eugene airports. Please ensure that you book a flight with the minimum number of layovers. Consider wearing an N95 or KN95 mask while in flight or if required to use public transportation.

**Please make sure that you pack a thermometer.** You will need this in Newport to continue monitoring your health.

If you start experiencing symptoms of COVID-19 while in Newport, the next steps will be dictated via consultation with one of the Discovery Health physicians, but likely you will not participate in the cruise. Please review the CDC best practices if you begin to feel sick -

<https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/steps-when-sick.html>.

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#### A.4. MEETING THE SHIP

The science party will move to the ship the morning of October 17. Science party members may carpool if they choose to.

Ensure you have everything you need and all of your belongings with you as you will not be leaving the vessel once you board until your scheduled debarkation at the end of the cruise. Screening will be done at the gangway for all embarking individuals. Berthing, food, etc. will all be provided onboard. All hands, shore and ship, will practice social distancing and wear masks during the loading. The ship will depart Newport on October 19.

When mobilizing and demobilizing you may work on the pier as long as you have a mask and stay at least 6 feet from anyone who is not a cruise participant. To ensure that those in quarantined status are not in close contact with those who are not, a barrier of cones with signage will be put in place on the pier and the vessel status is communicated to staff and science parties.

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#### A.5. WHILE ABOARD

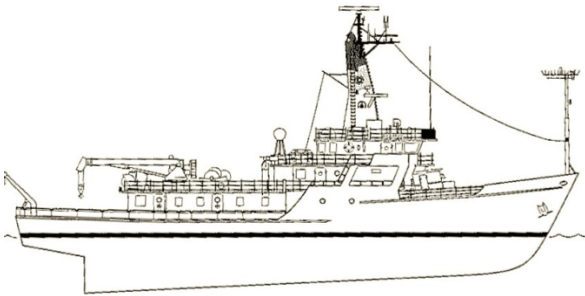
COVID-19 protocols while on the ship can be found below in Oregon State University's [Onboard COVID-19 Mitigation Plan](#)

## APPENDIX B. R/V OCEANUS ONBOARD COVID-19 MITIGATION

# R/V *Oceanus*

Oregon State University

## Onboard COVID-19 Mitigation



### Introduction:

Safety of everyone aboard the R/V Oceanus is our top priority at Oregon State University –Ship Operations. With COVID-19 concerns we have established best practices to minimize exposure while aboard and everyone's participation is required. Please adhere to all information in this document and please speak with the crew if you have any questions.

Thanks,  
Kaya Johnson  
Marine Superintendent

**Practice good hygiene:** Wash your hands often and use sanitizer when soap and water are not available. Avoid touching your face, nose, mouth, and eyes. Cover your cough/sneeze in the crook of your elbow. Don fresh clothing daily, contain and launder soiled clothing regularly.

**Practice social distancing:** Avoid physical contact with others and maintain at least 6' of space when possible.

**Use PPE:** We encourage the utilization of face coverings while in public areas, inside the vessel. Additional PPE, such as gloves and lab coats are also encouraged.

### Galley and Mess:

- Only galley staff are permitted in the galley.
- Use serving utensils provided.
- Wash your hands before and after handling any utensils, packaged items, containers, etc.
- When accessing mid-rats, wash your hands before and after. Do not touch food directly (use flatware or utensils).
- Avoid touching your face. Cover your cough. Maintain social distancing.

-When returning dirty plates and flatware, do not enter the galley. Please place soiled dishes in the bus tub provided.

**Sanitation:** Ship's crew will clean and sanitize high touch areas of the vessel, multiple times a day. We ask that you do the same with your equipment, computers, and mobile devices whenever possible.

**Screening and Monitoring:** While we expect this process to evolve rapidly, it is imperative that you participate in the screening and monitoring plan developed for your cruise. Report all symptoms accurately and truthfully, do not conceal an illness. Responsible behavior is essential to protecting ourselves and each other.

### **What will happen if someone gets sick?**

As always, the safety of personnel is our primary concern. In the event that someone develops an illness, we have a response plan to assess the situation, care for the ill, and protect the healthy. The general steps are as follows:

-An ill person will be assessed under the direction of George Washington – Maritime Medical Access

-If the illness is determined (by GW-MMA) to be a suspected COVID-19 case, that person will be isolated and treated as recommended by GW-MMA. As with other illness or injury, the severity and circumstances will determine if treatment can continue at sea or if the vessel will need to return to port.

-Required reports will be made and we will comply with any government or medical authority orders received.